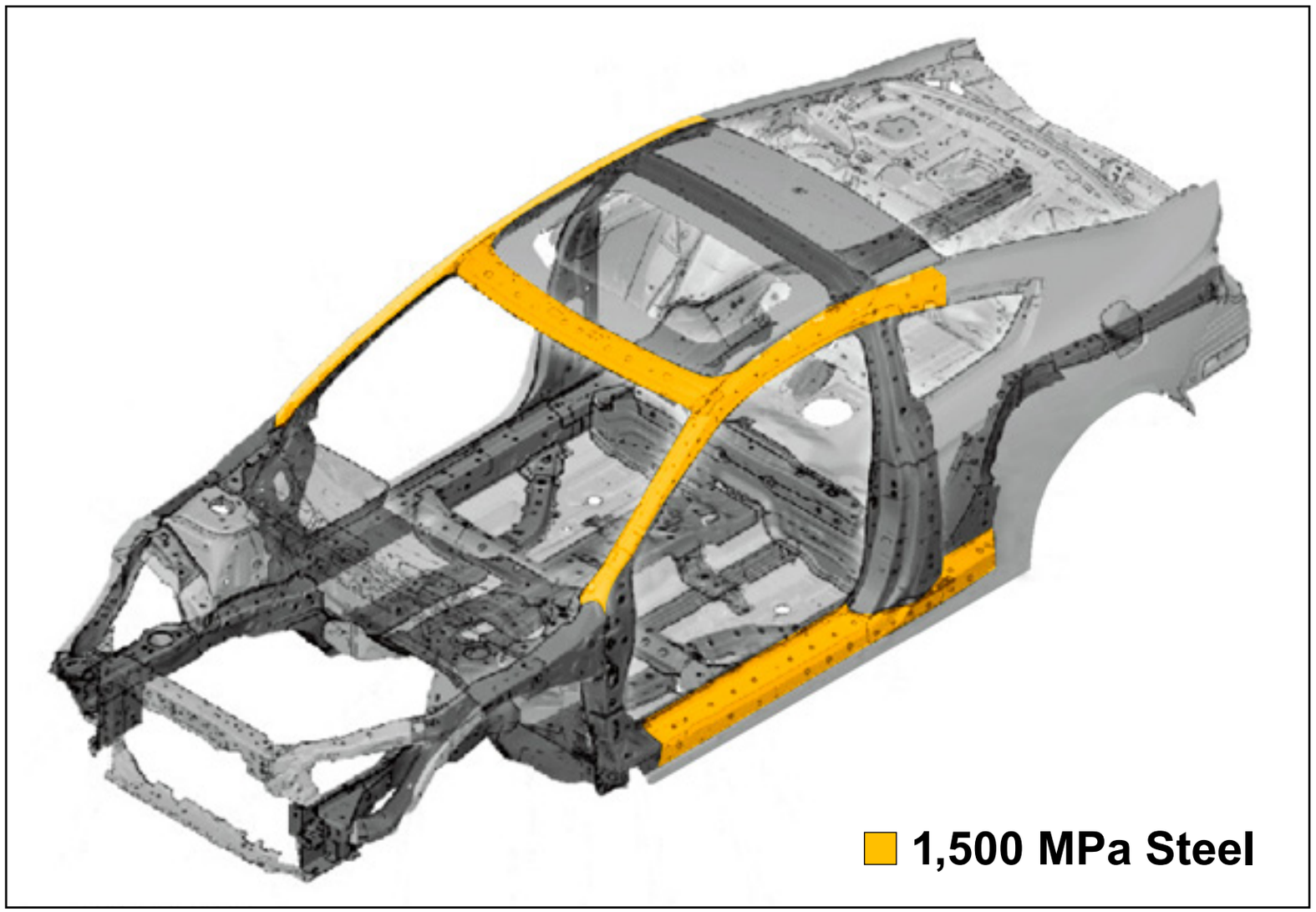
Learning Objectives

The learning objectives for this module include describing features on new vehicles and technology from:

- **Honda/Acura.**
- **Infiniti.**
- **Mazda.**
- **Subaru.**
- **Toyota/Lexus/Scion.**

Video: Tech/Trends Trivia

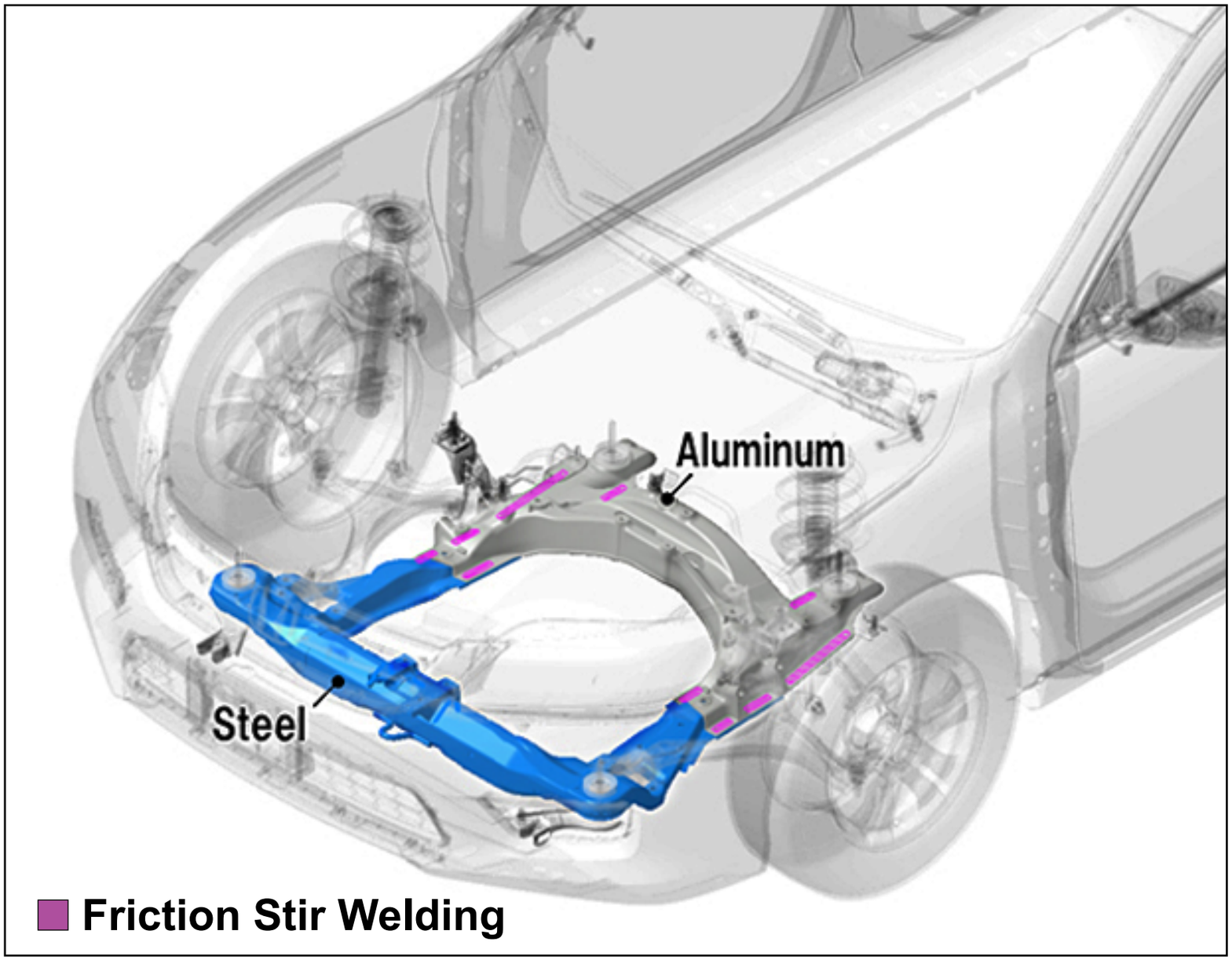
2013 Honda Accord



Courtesy of American Honda Motor Co., Inc.

- 9th generation, debuted in 1976
- 780, 980, and 1,500 MPa steel used
  - spot welds and MIG brazing on 1,500 MPa steel and GMA (MIG) welding should NOT be used

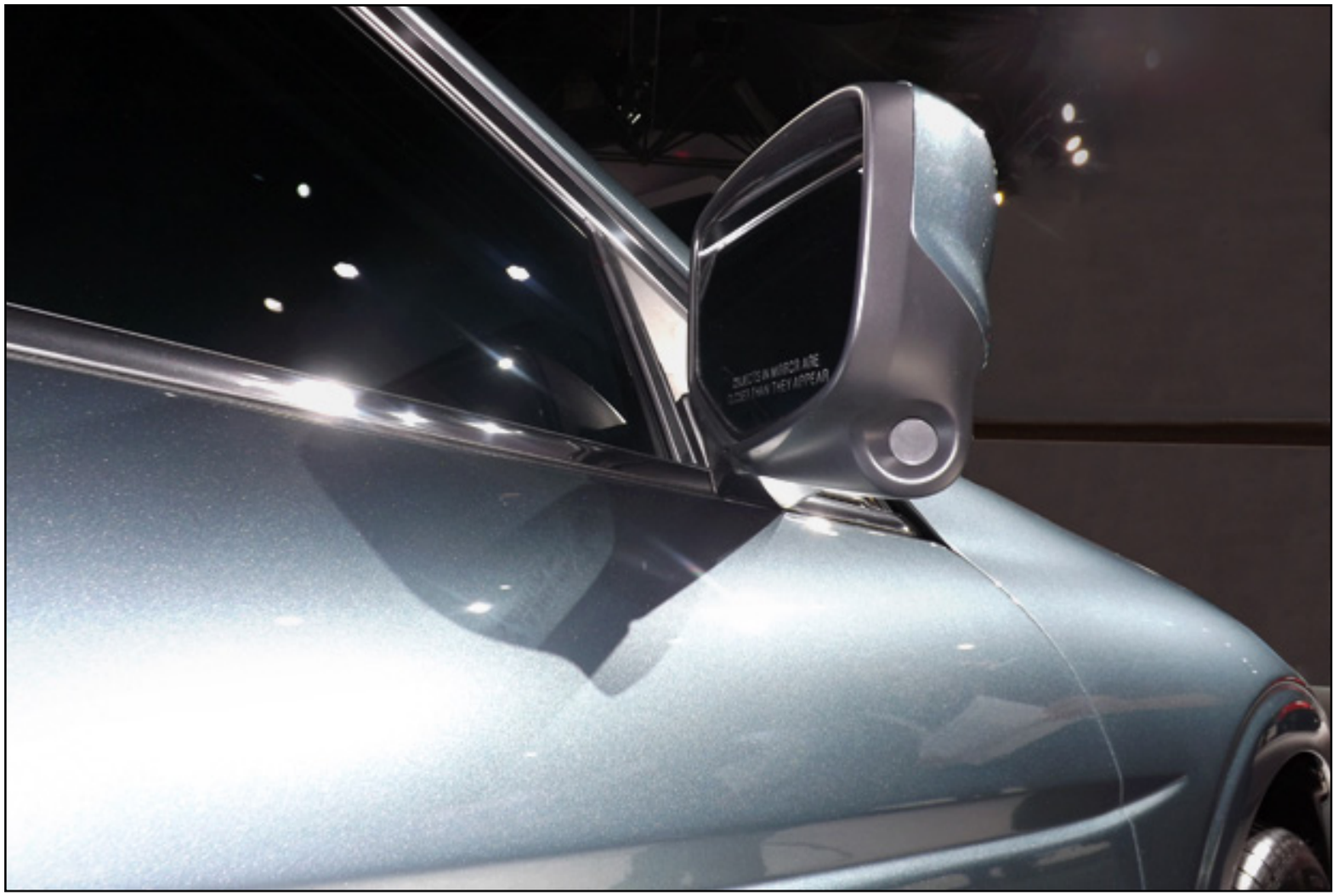
2013 Honda Accord (cont'd)



Courtesy of American Honda Motor Co., Inc.

- **Aluminum and steel front subframe**
  - **aluminum lapped over steel and joined by friction stir welding**
- **Plug-in hybrid version planned**

Honda Commits To Cameras

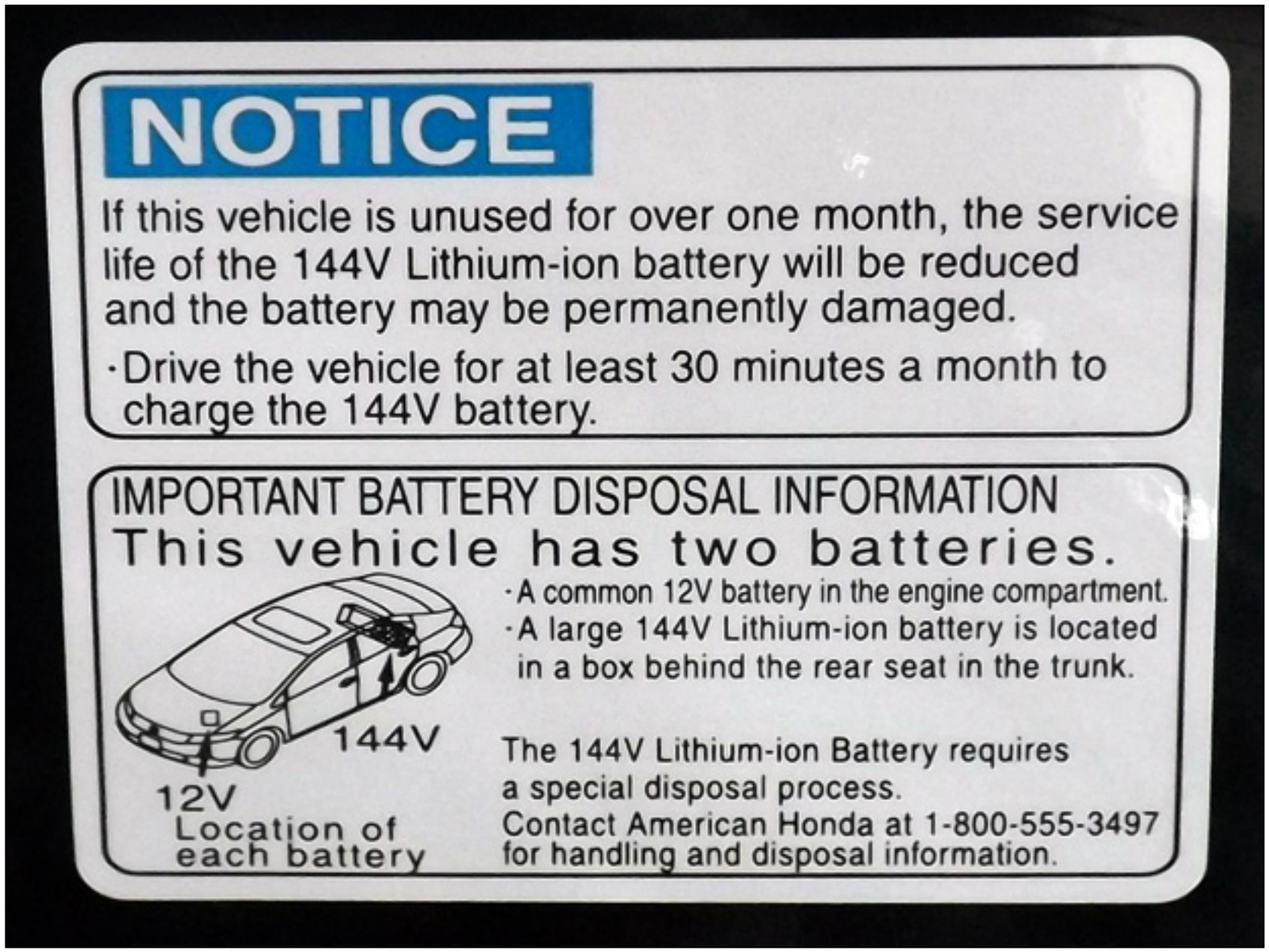


- Over 94% of 2013 models have rearview cameras
- Forward crash warning camera looks in front
- Lane departure warning
- Lane-watch display on passenger mirror eyes right side

Honda Fit EV Slow Rollout

- Pure electric
- 123 miles on single charge
- Remote charging updates to smart phones
- Lease-only to California and Oregon
- Select East Coast markets in 2013

Acura Notice For Lithium-Ion Batteries


NOTICE
If this vehicle is unused for over one month, the service life of the 144V Lithium-ion battery will be reduced and the battery may be permanently damaged.
·Drive the vehicle for at least 30 minutes a month to charge the 144V battery.
IMPORTANT BATTERY DISPOSAL INFORMATION
This vehicle has two batteries.
·A common 12V battery in the engine compartment.
·A large 144V Lithium-ion battery is located in a box behind the rear seat in the trunk.
144V
12V
Location of each battery
The 144V Lithium-ion Battery requires a special disposal process.
Contact American Honda at 1-800-555-3497 for handling and disposal information.

- **Permanent damage to battery if unused for one month**
- **Advises driving vehicle for at least 30 minutes per month**
- **Similar to nickel-metal hydride (NiMH) battery caution**

Second Generation Acura NSX

- Gasoline/electric hybrid
- Electric motors at each front wheel
- Scheduled for a 2015 release
- Original in 1990 was first aluminum-intensive vehicle